RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/551,452

Source: 1FWP

Date Processed by STIC: 2/8/07

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RAW SEQUENCE LISTING   DATE: 02/08/2007
PATENT APPLICATION: US/10/551,452   TIME: 11:51:54

Input Set : A:\16554-004US1.txt
Output Set: N:\CRF4\02082007\J551452.raw

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 3 <110> APPLICANT: Li, Yingfu
 4        Nutiu, Razvan
 6 <120> TITLE OF INVENTION: APTAMER SELECTION METHOD
 8 <130> FILE REFERENCE: 16554-004US1
10 <140> CURRENT APPLICATION NUMBER: US 10/551,452
11 <141> CURRENT FILING DATE: 2005-09-29
13 <150> PRIOR APPLICATION NUMBER: PCT/CA2004/000482
14 <151> PRIOR FILING DATE: 2004-03-31
16 <150> PRIOR APPLICATION NUMBER: US 60/458409
17 <151> PRIOR FILING DATE: 2003-03-31
19 <160> NUMBER OF SEQ ID NOS: 27
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 30
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: immobilized biotinylated DNA
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36 <211> LENGTH: 91
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
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41 <223> OTHER INFORMATION: library oligonucleotide
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (22)..(31)
46 <223> OTHER INFORMATION: n = a, c, g or t
49 <220> FEATURE:
50 <221> NAME/KEY: misc_feature
51 <222> LOCATION: (51)..(70)
52 <223> OTHER INFORMATION: n = a, c, g or t
55 <400> SEQUENCE: 2
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58 nnnnnnnnnn taagcttggc acccgcatcg t                                91
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62 <211> LENGTH: 15
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Primer 1
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W--> (line 56)

RAW SEQUENCE LISTING   DATE: 02/08/2007
PATENT APPLICATION: US/10/551,452   TIME: 11:51:54

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    70 gcggagcgtg gcagg                                              15
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    74 <211> LENGTH: 22
    75 <212> TYPE: DNA
    76 <213> ORGANISM: Artificial Sequence
    78 <220> FEATURE:
    79 <223> OTHER INFORMATION: Primer 2
    81 <220> FEATURE:
    82 <221> NAME/KEY: misc_feature
    83 <222> LOCATION: 22
    84 <223> OTHER INFORMATION: n = "Ribo-A".
    87 <400> SEQUENCE: 4
W--> 88 acgatgcggg tgccaagctt an                                     22
    91 <210> SEQ ID NO: 5
    92 <211> LENGTH: 15
    93 <212> TYPE: DNA
    94 <213> ORGANISM: Artificial Sequence
    96 <220> FEATURE:
    97 <223> OTHER INFORMATION: Primer 3
    99 <400> SEQUENCE: 5
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   104 <211> LENGTH: 52
   105 <212> TYPE: DNA
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   108 <220> FEATURE:
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   116 <211> LENGTH: 52
   117 <212> TYPE: DNA
   118 <213> ORGANISM: Artificial Sequence
   120 <220> FEATURE:
   121 <223> OTHER INFORMATION: ATP Aptamer - 1ATP2
   123 <400> SEQUENCE: 7
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   127 <210> SEQ ID NO: 8
   128 <211> LENGTH: 52
   129 <212> TYPE: DNA
   130 <213> ORGANISM: Artificial Sequence
   132 <220> FEATURE:
   133 <223> OTHER INFORMATION: ATP Aptamer - 1ATP3
   135 <400> SEQUENCE: 8
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   140 <211> LENGTH: 53
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145 <223> OTHER INFORMATION: ATP Aptamer - 2 ATP1
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152 <211> LENGTH: 53
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154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: ATP Aptamer - 2ATP2
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165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: ATP Aptamer - 2ATP3
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177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: ATP Aptamer - 2ATP4
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188 <211> LENGTH: 54
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
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193 <223> OTHER INFORMATION: ATP Aptamer - 2ATP5
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200 <211> LENGTH: 54
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: ATP Aptamer - 3ATP1
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225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: GTP Aptamer - 1GTP2
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236 <211> LENGTH: 52
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: GTP Aptamer - 1GTP3
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248 <211> LENGTH: 52
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: GTP Aptamer - 1GTP4
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260 <211> LENGTH: 52
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: GTP Aptamer - 1GTP5
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272 <211> LENGTH: 88
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274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: ATP Aptamer - 1ATP1 with primer domain
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282 aaggtttttaa gcttggcacc cgcatcgt                                     88
285 <210> SEQ ID NO: 21
286 <211> LENGTH: 89
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
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290 <220> FEATURE:
291 <223> OTHER INFORMATION: ATP Aptamer - 2ATP1 with primer domain
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296 aagtgatata agcttggcac ccgcatcgt                                      89
299 <210> SEQ ID NO: 22
300 <211> LENGTH: 90
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: ATP Aptamer - 2ATP5 with primer domain
307 <400> SEQUENCE: 22
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310 gagaatgcct aagcttggca cccgcatcgt                                     90
313 <210> SEQ ID NO: 23
314 <211> LENGTH: 90
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: ATP Aptamer - 3ATP1 with primer domain
321 <400> SEQUENCE: 23
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327 <210> SEQ ID NO: 24
328 <211> LENGTH: 88
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: GTP Aptamer - 1GTP1 with primer domain
335 <400> SEQUENCE: 24
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342 <211> LENGTH: 88
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: GTP Aptamer - 1GTP2 with primer domain
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350 cctgccacgc tccgcaaggg ggtggtttcc gcagcgattc ttgatcgcgg aagtcggtgg    60
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355 <210> SEQ ID NO: 26
356 <211> LENGTH: 88
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358 <213> ORGANISM: Artificial Sequence
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361 <223> OTHER INFORMATION: GTP Aptamer - 1GTP5 with primer domain
363 <400> SEQUENCE: 26
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/08/2007
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FYI

Input Set : **A:\16554-004US1.txt**
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<u>Please Note:</u>
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:2; N Pos. 22,23,24,25,26,27,28,29,30,31,51,52,53,54,55,56,57,58,59,60
Seq#:2; N Pos. 61,62,63,64,65,66,67,68,69,70
Seq#:4; N Pos. 22
Seq#:27; N Pos. 7,8,9,10,11,12,13,14,15,16,33,34,35,36,37,38,39,40,41,42,43
Seq#:27; N Pos. 44,45,46,47,48,49,50,51,52

VERIFICATION SUMMARY　　　　　　DATE: 02/08/2007
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Input Set : **A:\16554-004US1.txt**
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L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0